BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 800000.00

Name of Work: Detailed Estimate for the Work of Maintenance of BBMP office in ward No- 02 of Yelahanka Sub division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Providing and fixing 4"x1/2" size of beach wood design skirting	rmt	30				30	260.00	7800.00
	Enclosed Quatation approved Rates	260.00							
2	Providing and fixing ventilation blindes for windows	sqm	3	1.2	1.5		5	119.34	596.70
	Quatation approved Rates	119.34							
3	Visitor Chairs with arms	Nos	20				20	3915.00	78300.00
	Quatation approved Rates	3915.00							
4	High back chair	Nos	2				2	6886.00	13772.00
	Quatation approved Rates	6886.00							
	Borewell maintenance								
5	Lifting of Submersible Pump set (P.56/I.10.3.21 RDED SR (2012-13)	No	2				2	850.00	1700.00
6	Transportataion of pumping machineries (P.46/I.10.3.19)RDED SR (2012-13)	No	2				2	900.00	1800.00
7	A) Repairs to Motor:Rewinding of submersible pump sets with copper insulation wire of suitable gauge as per ISI specification with guarantee of 6months. RDED SR ((2012-13))P NO.54/ I.NO.A)								
	a) -Do - above 3HP upto 5HP	No	2				2	2500.00	5000.00
	b) -Do - above 5HP upto 10HP	No	2				2	3700.00	7400.00
	(Above 5HP upto 10HP add Rs.120/- for every 1/2 HP)								
	B) Replacement of Motor Parts:								
8	Above 5HP Stator (with one year Gurantee) P.No.55/Ino.10.3.3.C(2)RDED SR (2012-13)	No	2				2	5050.00	10100.00
9	Above 5HP Rotor (with one year Gurantee) P.No.55/I No.10.3.6C(2)RDED SR (2012-13)	No	2				2	4700.00	9400.00
10	Upper Flange P.No.55/I No.10.3.70 RDED SR (2012-13)	No	2				2	350.00	700.00
11	Lower Housing P.No.56/I No.10.3.10 RDED SR(2012-13)	No	2				2	650.00	1300.00
12	Lower Flange P.No.55/I No.10.3.8 RDED SR (2012-13)	No	2				2	350.00	700.00
13	a) Carbon Housing P.No.56/I No.10.3.12 RDED SR (2012-13)	No	2				2	475.00	950.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
14	b) Thrust bearing block assembly complete with Segment bearing pad **P.No.56/I No.10.3.13.7B RDED SR (2012-13)**	No	2				2	1150.00	2300.00
15	c) Tip Carbon /Ferrodo pading **P.No.56/I No.10.3.147C RDED SR (2012-13)**	No	2				2	150.00	300.00
16	Bearing (Gun metal)Centrifugal cast Aluminium Bronze, bearing bush **P.No.56/I No,9 RDED SR (2012-13)**	No	2				2	400.00	800.00
17	Motor Base with pin **P.No. 56/ I No.11 RDED SR (2012-13) 10.3.18**	No	2				2	475.00	950.00
18	Re-erection charges of pumping machineries including overhauling and painting **P.No.56/I No 10.3.20,RDED SR (2002-03)(2012-13)**	No	2				2	950.00	1900.00
19	Labour Charge (overhauling Motor only) **P.No.56/ I No.10.3.22 RDED SR (2012-13)**	No	2				2	550.00	1100.00
20	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement Pump bowls **P.No.54 / I No B1 RDED SR (2012-13) 10.2.1**	No	2				2	700.00	1400.00
21	Intermediate piece (I.P) with IP leaded bronze bush **P.No. 54/ I No.10.2.3B2 RDED SR (2012-13)**	No	2				2	450.00	900.00
22	Oil seal **P.No. 54/ I No.102.3.B3 RDED SR (2012-13)**	No	2				2	125.00	250.00
23	Oil seal steel bush **P.No. 54/ I No.B4 RDED SR (2012-13) 10.2.4**	No	2				2	150.00	300.00
24	Guide vane Pno 54/I No 10.2.5 B5 RDED (2012-13)	No	2				2	175.00	350.00
25	Impeller (shell moulded with aluminium and Bonze) P No 54/ I no.10.2.6 B6 RDED SR (2012-13)	No	2				2	425.00	850.00
26	a) Discharge outlet (D.O) Bearing D.O Steel Bush **P.No. 54/ I No.10.2.7B7 RDED SR ((2012-13)**	No	2				2	445.00	890.00
27	b)D.O Bearing **P.No. 39/ I No.10.2.8 .B7 RDED SR (2012-13)**	No	2				2	285.00	570.00
28	Steel bush (D.O) steel bush) **P.No. 54/ I No.B8 RDED SR ((2012-13)10.2.9**	No	2				2	150.00	300.00
29	Allen Screw **P.No. 54/ I No.10.2.10. RDED SR (2012-13)**	No	2				2	25.00	50.00
30	Pump shaft made out of stainless steel Centreless ground with key way (upto 8 stages) **P.No. 56/ I No.10 RDED SR (2012-13) 10.2.11**	No	2				2	950.00	1900.00
31	Pump key (Stainless steel) **P.No. 55/ I No.11 RDED SR (2012-13) 10.2.12**	No	2				2	125.00	250.00
32	Pump coupling (stainless steel) **P.No. 55/ I No.12RDED SR ((2012-**	No	2				2	250.00	500.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
33	Non - Return valve (NRV) assembly complete with rubber 'O' Ring **P.No. 55/ I No.13RDED SR (2012-13)**	No	2				2	1350.00	2700.00
34	Cabble guard **P.No. 55/ I No.14RDED SR (2012-13)**	No	2				2	150.00	300.00
35	Strainer **P.No. 55/ I No.15RDED SR (2012-13)**	No	2				2	150.00	300.00
36	Providing and fixing 50 mm dia heavy duty coller **SE RDED Approved rate**	No	2				2	130.00	260.00
37	Door Locks XIII SL 391	Nos	5				5	401.00	2005.00
		401.00							
38	PVC flusing cisten 10 lts low level with fittings XXIV SL 688	Nos	15				15	600.00	9000.00
	Basic rate	600.00							
39	110mm dia asbestos cement pipe of approved make (PVC) XX SL 4.95	Mtrs	100				100	172.00	17200.00
	Basic rate	172.00							
40	KSRB 13.11.1: Providing and placing on terrace. Polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity) Specification NO. KBS 13.22 Page No. 91/ Item No. 13.78 / PWD SR 2015-16	Each							
			2	1			2		
							2	8851.00	17702.00
	Basic Rate	8350.00							
	Area Weightage @ 6%	501.00							
	Total	8851.00							
41	Providing Supplying and commissioning of 1 HP submersible Monoblock pump with starter 15mm cable with necessary GI fittings with suction & Delivery hose pipes including necessary fittings etc completed as per specifications.	Nos							
			2				2.00	10000.00	20000

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
42	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No 5/ Item No. 2.3/ PWD SR 2012-13 2015.16	cum							
	for steel gurder		2	1.00	1.00	1.00	2.00		
							2.00	188.68	377.36
	Basic Rate	178.00							
	Area Weightage @6%	10.68							
	Total	188.68							
43	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M7.5 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2012-13 15.16	Cum							
			2	1.00	1.00	0.15	0.30		
							0.30	4976.70	1493.00
	Basic Rate	4695.00							
	Area Weightage @6%	281.70							
	Total	4976.70							
44	Providing and supplying Computer with Printer and all necessaory accories	Nos	1				1	25000.00	25000
	Quatation approved Rates	25000.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
44	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2012-13 2015-16	Cum							
			2	1.00	1.00	0.90	1.80		
			2	1.00	1.00	0.90	1.80	6043.34	
		5=22					3.60	6295.34	22663.00
	Basic Rate	6295.34							
	Area Weightage @ 8%	344.34							
	Total	6295.34							
		6043.34							
45	Providing and fixing steel gurders as per Indian Standard Rolled Steel Beams I.S 800-1964 page No 37 item No 7.9 SR 2012-13	Rmt							
	Section h x b(200x100)	2x1	2	4.00			8.00		
	Weight per metre W (kg)25.40kg /meter 9 mtr Span	1x1	1	9.00			9.00		
		2x1	2	5.00			10.00		
	cross beams	5x2	10	2.50			25.00		
							52.00		
	Total (a)			52.00	25.40		1320.80		
	MS plain plates 6mm thick (47.10kg / Sqm) 0.40x0.40	8x2	16	0.40	0.40		2.56		
		8x2	16	0.40	0.40		2.56		
	cross beams	35x2	70	0.40	0.40		11.20		
							16.32		
	Total (b)			16.32	47.10		768.67	90.10	
	Total (a)+(b)	85=00					2089.47	91.80	191814.00
	Basic Rate	91.80							
	Area Weightage @8%	5.1							
	Total	91.80							
		90.10					2.00	10000.00	20000.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
40	KSRB: 7.5 Providing and fixing pull and push type rolling shutters of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & operations complete Including pulling hooks, 4nos handles wit hall fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM of machinery complete as per specifications. Shutter size 3mx2.8m Specification NO. KBS 7.10 / 7.12 Page No. 36/ Item No. 7.5/ PWD SR 2015-16	sqm							
			1	3	2.1		6		
							6	2838.68	17032.08
	Basic Rate	2678.00							
	Area Weightage @ 6%	160.68							
	Total	2838.68							
	PART-A								
4	Supplying and fixing/replacing of 6/16/32 Amps electrical accessories on existing switch board. Group A								
50	h) 6 Amps Bell Buzzer	Each	10				10	117.00	1170.00
54	a) 6Amps SP Switch	Each	10				10	35.00	350.00
	c) 6Amps 3Way 5 Pin Socket	Each	10				10	53.00	530.00
	j) 16 Amps 3 way 5 pin socket	Each	10				10	94.00	940.00
	k) 16 Amps 3 pin Top	Each	10				10	51.00	510.00
	l) 32 Amps Bakelite DP	Each	10				10	156.00	1560.00
5	Supply and fixing of 230 volts 20/40 watts starter for fluorescent lamp. a) Group A	Each	150				150	21.00	3150.00
6	Supplying and fixing/replacing of flouresexcnt tube. a) 18 to 40 watts	Each	150				150	48.00	7200.00
7	Supplying of 65/80 watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes.	Each	75				75	427.00	32025.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8 47/ 21	Supply of Specital type lamps h) 36 Watts CFL	Each	30				30	145.00	4350.00
11 51/ 36	Rewinding a...mm ceiling fan/after using necessary gauge annealed and insulated copper wire with necessary insulating, separators vibration arresting shellac, etc including replacement of bearings if any transportation to and from the spot to workshop inclusive of releasing the refixing. c) 1200MM	Each	30				30	630.00	18900.00
12 51/ 37	Releasing the existing fan dismantling testing painting after removing the existing painting by scraping and cleaning (Spray method) to less than 2 coats of approved make enamel paint to a ceiling fan and wiring and fixing of the same.	Each	50				50	278.00	13900.00
13 52/ 44	Releasing the existing FTL Fitting all capacities, checking, testing and installing at same place.	Each	60				60	30.00	1800.00
15 54/ 62	Supplying and fixing Cordless calling bell suitable to operate on 230V 50 Hz AC/3V DC Supply, Cordless remote bell push with 2x1.5V DC Batteris and completely wired. a) Group A	Each	9				9	650.00	5850.00
	PART-B								
5 84/ 9	Supplying & fixing relay for over load protection for window and split air conditioners.	Each	4				4	260.00	1040.00
3 83/ 7	Supply and fixing of condensing coil for Split Air Conditioners. c) 2 ton capacity	Each	8				8	4750.00	38000.00
4 84/ 6	Supplying and fixing capacitor's (of approved make) for window/ split air conditioners b) 80 to 200 mfd Starting capacitor	Each	8				8	300.00	2400.00
7 84/ 11	Supplying & filling refrigerent (F-22/F/12) for air conditioning equipments. Which includes the labour & Nitrogen gas for pressure and leak testing.	P/Kg	10				10	810.00	8100.00
8 84/ 13	Supplying and fixing electro mechanical/Pneumatic time switches including Vat.	Each	12				12	960.00	11520.00
	PART-C						0		0.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Removing, Testing, Charging & Re-Errecting of Batteries of 100 to 180 Amps. Every three months		70				70	250.00	17500.00
	Annual Maintenance of ups unit of 1-8 KVA including of replacement of Parts etc.		3				3	8000.00	24000.00
	Providing and supplying Gysor for office use with all accories	L/s							30000.00
	Water taps and other Urinal necessary accories	L/s							10000.00
	Providing and supplying out let pipe for generate with all accories	L/s							10000.00
	Repairs to office windows and Providing and fixing certains with all accories	L/s							20000.00
	Providing and fixing RO water filter with all accories	L/s							30000.00
8	Miscellaneous charges								967.00
								Total	800000.00
(Rupees Eight Lakhs Only)									

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2015-16
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Ramegowda

Assistant Engineer

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

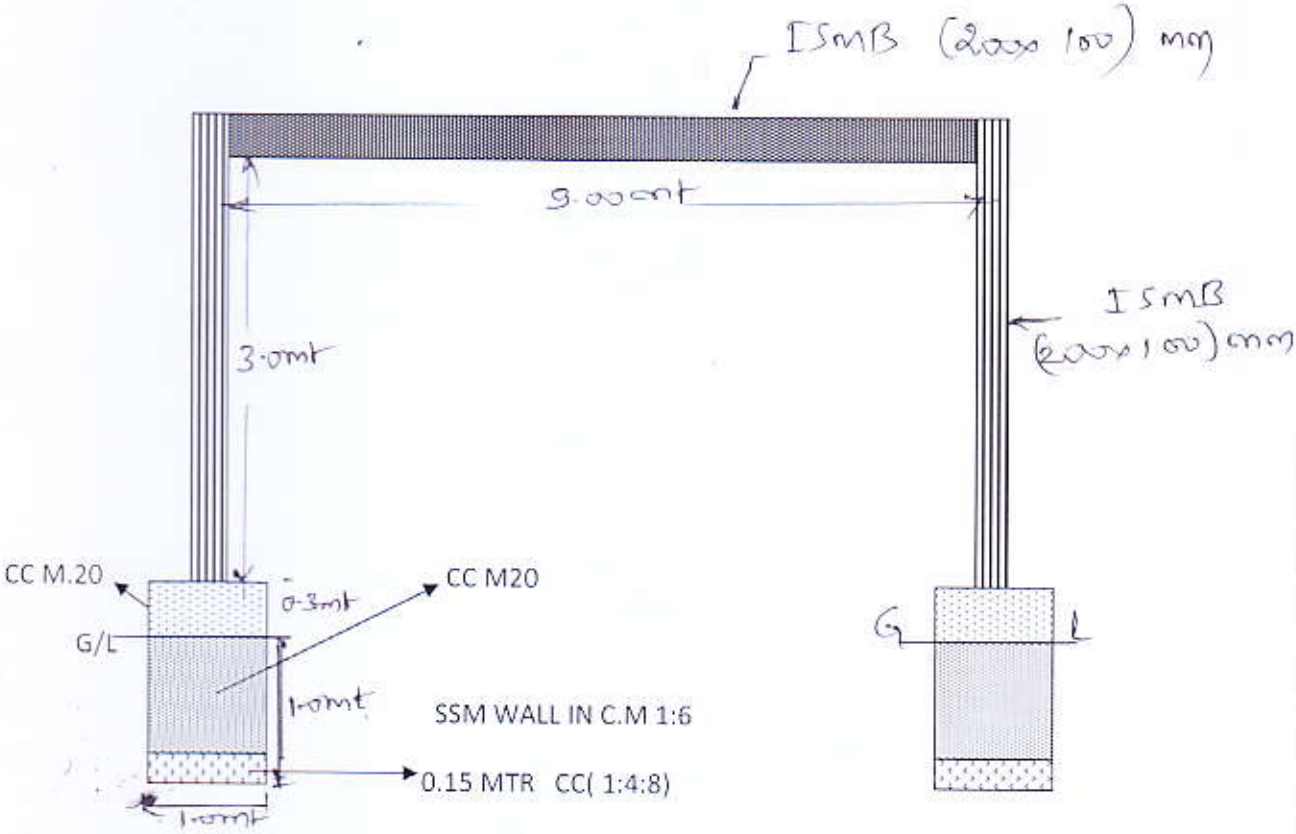
Administrative Sanction for Rs. 8.00 lacs
Eight Lakhs only
is accorded under head POW-95-16
Registered as CE No. Subject
to conditions contained in enclosed memo
No. CE/AA/43/15-16 2-1-16

Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 8.00 lacs
Rupees Eight Lakhs only
Under POW-2015-16
Registered as CE ( ) No. Subject to conditions contained in enclosed memo CE ( ) No. dt.
EE/TS/51/15-16
Dated 2-1-16 for 8.00 lakhs only

Executive Engineer

NAME OF WORK: Providing and fixing steel gurders at Harohalli Eswara temple road in ward No-02 of yelahanka Sub Division.



'SECTIONAL ELEVATION OF STEEL GIRDER'

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

WARD 2-CHOWDESHWARI WARD

Layout Map of Ward 2

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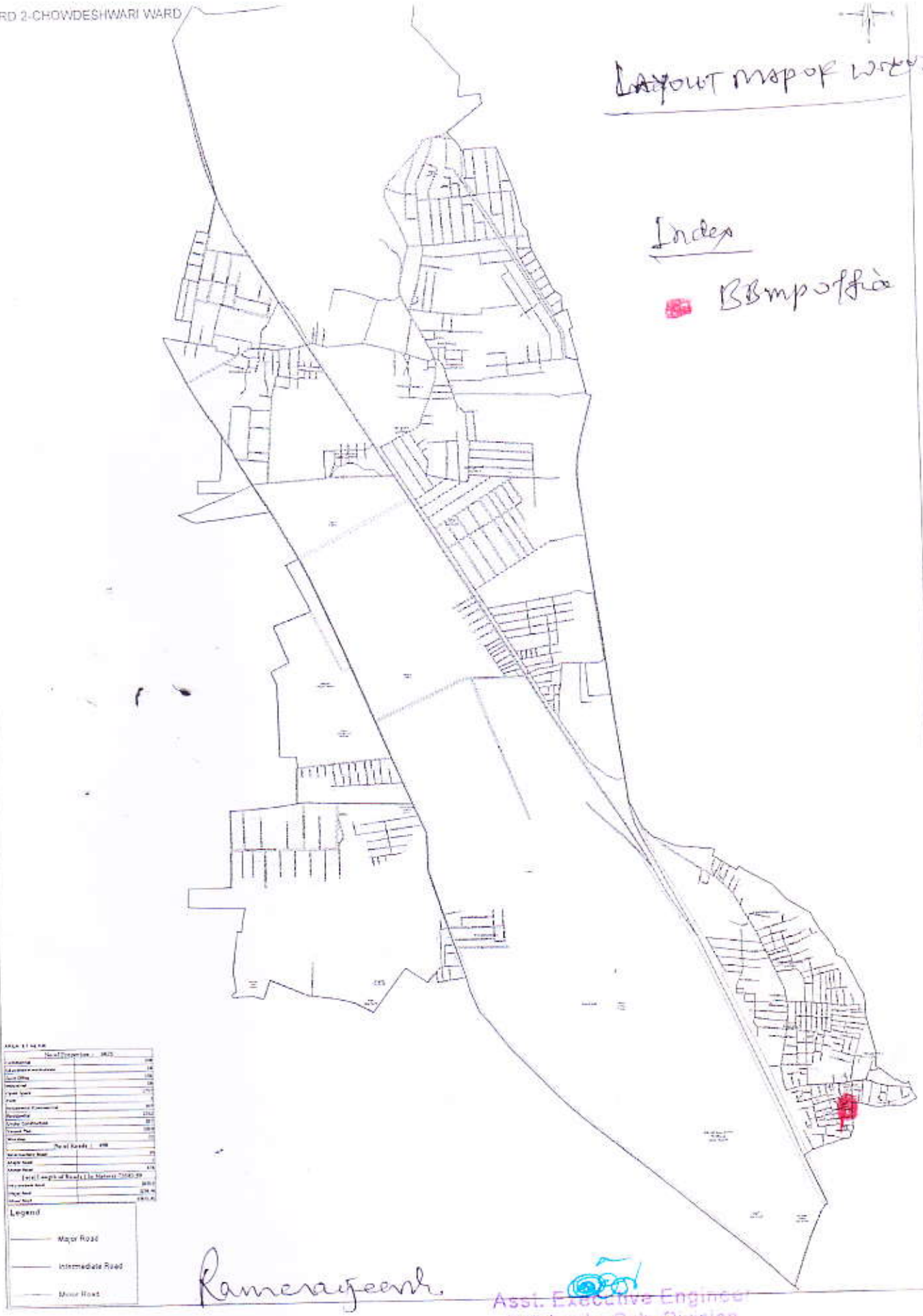
BBMP office



Legend

Major Road

Intermediate Road

Minor Road

Rameshgeeth.

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore